

1. An aqueous herbicidal composition, comprising:

a glyphosate-based active ingredient present at a concentration range of about 0.08 to 2.0% by weight of a ready-to-use composition; and

a saponified or non-saponified fatty acid-based active ingredient present at a concentration range of about 0.1 to 3.0 percent by weight of a ready-to-use composition.

2. The composition of claim 1 wherein the glyphosate-based active ingredient is selected from the group consisting of N-(phosphonomethyl)glycine and the isopropyl amine salt of N-(phosphonomethyl)glycine.

3. The composition of claim 2 wherein said fatty acid-based active ingredient is saponified or non-saponified and is selected from the group consisting of caprylic acid, pelargonic acid, capric acid, undecanoic acid, 10-undecanoic acid, lauric acid, oleic acid, and mixtures thereof.

4. The composition of claim 2 wherein said fatty acid-based active ingredient is saponified or non-saponified and is selected from the group consisting of soybean fatty acid and coconut fatty acid.

5. The composition of claim 1 wherein the saponified fatty acid-based active ingredient is selected from the group consisting of partial or complete calcium, potassium and ammonium salts.

000207-10000

Sub a'

John B2

8. The composition of claim 2 wherein the fatty acid active ingredient comprises the sodium or potassium salts of pelargonic acid, capric acid and coconut fatty acid, the fatty acid salts being present at a ratio of about 1:1:2.

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e ingredient
of soybean fa
fatty acid sa
:1.
e composition

~~The composition of the emulsifier~~

Sub a²

add a^3